	30	((((((max or peak or maximum or limit) near2 (frequency or speed or velocity or revolution or rotation)) same (torque with frequency)) and (((stepper or stepping or step) near2 motor))) not (((max or peak or maximum or limit) near2 (frequency or speed or velocity or revolution or rotation)) same (torque with frequency)) and (318/432.ccls. or 318/434.ccls. or 318/685.ccls.)))) not ((((((max or peak or maximum or limit) near2 (frequency or speed or velocity or revolution or rotation)) same (torque with frequency)) and (((stepper or stepping or step) near2 motor))) not ((((max or peak or maximum or limit) near2 (frequency or speed or velocity or revolution or rotation)) same (torque with frequency)) and (318/432.ccls. or 318/434.ccls. or 318/685.ccls.)))) and 318/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/27 11:05
-	373 ·	torque adj threshold	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/22 09:33
 - 	0	(torque adj threshold) and (miller-patrick.xa. and (change or modify or vary))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/22 09:34
_	14	miller-patrick.xa. and (change or modify or vary)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/22 09:34
-	241 	(torque adj threshold) and (change or modify or vary)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/22 09:34
1 - i 1	32	((torque adj threshold) and (change or modify or vary)) and 318/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/22 09:35

I Number	Hits	Search Text	i DR	Time stame
L Number	$\frac{\text{H1ts}}{678446}$	 	DB	Time stamp
1 -	0/8446	actuat\$2	USPAT;	2003/10/21 12:24
1] }	US-PGPUB;	1
i			DERWENT	
j - i	241	318/685.ccls. and actuat\$2	USPAT;	2002/12/06 18:13
!		İ	US-PGPUB;	i
1			DERWENT	i
- !	8	(driv\$3 adj frequency) and (318/685.ccls.	USPAT;	1 2002/12/06 18:16
i		and actuat\$2)	US-PGPUB;	1
i i		i 	DERWENT	!
i -	12593	(maximum or peak or max) adj frequency	USPAT;	2002/12/06 18:17
! !		 	US-PGPUB;	
! !		İ	DERWENT	ļ
	95	driv\$3 adj frequency) same ((maximum or	USPAT;	2002/12/06 18:17
<u>'</u>		peak or max) adj frequency)	US-PGPUB;	2002/12/00 10:17
į i	1	peak of max, adj frequency,	DERWENT	j !
i !	12	((driv\$3 adj frequency) same ((maximum or	1	2002/12/06 18:23
1	12		USPAT;	2002/12/06 18:23
1		peak or max) adj frequency)) and 318/\$.ccls.	US-PGPUB;	!
1		1	DERWENT	1
ı -	1791	actuat\$2 and (driv\$3 adj frequency)	USPAT;	2002/12/06 18:24
į į			US-PGPUB;	1
		<u> </u>	DERWENT	}
! - !	37	(driv\$3 adj frequency) and 318/685.ccls.	USPAT;	2002/12/06 18:24
] 	US-PGPUB;	
;		i 	DERWENT	!
; - i	9848	driv\$3 adj frequency	USPAT;	2002/12/09 11:15
į	- · · •	l	US-PGPUB;	1
1	'		DERWENT	i .
1_ }	32	318/807.ccls. and (driv\$3 adj frequency)	USPAT;	2002/12/09 11:32
1 }	32	i services and tarrys adjurcedancy	US-PGPUB;	2002, 22, 05 11,32
!			DERWENT	i
! _	1	318/503.ccls. and (driv\$3 adj frequency)		2002/12/09 11:32
! - '	1	310/303.0018. and (driv\$3 add frequency)	USPAT;	2002/12/09 11:32
ļ i		l	US-PGPUB;	!
i j	!	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DERWENT	1 0000/10/100
i -	15	318/432.ccls. and (driv\$3 adj frequency)	USPAT;	2002/12/09 11:48
ì		i I	US-PGPUB;	1
ì			DERWENT	
[-	1	318/687.ccls. and (driv\$3 adj frequency)	USPAT;	2002/12/09 11:48
!		l	US-PGPUB;	
	ı		DERWENT	I
ļ -	43	318/696.ccls. and (driv\$3 adj frequency)	USPAT;	2002/12/09 12:45
}		 	US-PGPUB;	
j !			DERWENT	i j
! - !	485	318/807.ccls.	USPAT;	2002/12/09 13:40
1 1			US-PGPUB;	
į i			DERWENT	i
! - !	30	318/503.ccls.	USPAT;	2002/12/09 13:40
i :			US-PGPUB;	1 = 1 = 1, 32, 32
ļ i			DERWENT	
! _ !	E 07	318/432.ccls.		2002/12/09 13:40
,	56/	310/ 132.0013.	USPAT;	1 2002/12/09 13:40
! i	1			i
] !	300	210/603	DERWENT	2002/12/02 12 12
· -)	308	318/687.ccls.	USPAT;	2002/12/09 13:40
ļ i	į		US-PGPUB;	1
į	ļ		DERWENT	
· - !	11	((flap-actuator) or (flap adj actuator))	USPAT;	2002/12/09 13:46
!	i	SAME ((air-condition\$3) or (air adj	US-PGPUB;	i
i i	į	condition\$3))	DERWENT	i I
i-i	1758	((actuator) SAME ((air-condition\$3) or (air	USPAT;	2002/12/09 13:47
1	ļ	<pre>adj condition\$3))) not (((flap-actuator) or</pre>	US-PGPUB;	1
1 1	i I	(flap adj actuator)) SAME ((air-condition\$3)	DERWENT	i
,	Ì	or (air adj condition\$3)))	l	i i
i -	60	(((actuator) SAME ((air-condition\$3) or (air	USPAT;	2002/12/09 13:48
ı i	- "	adj condition\$3))) not (((flap-actuator) or	US-PGPUB:	
ι !		(flap adj actuator)) SAME ((air-condition\$3)	DERWENT	1
!	1	or (air adj condition\$3))) and 318/\$.ccls.	PENTENT	1
! _	10	((((actuator) SAME ((air-condition\$3) or	USPAT;	2002/12/09 13:48
ļ	19	(air adj condition\$3))) not		2002/12/09 13:48
¦	}		US-PGPUB;	
, l i) i	(((flap-actuator) or (flap adj actuator))	DERWENT	
í	i I	SAME ((air-condition\$3) or (air adj	l	ı i
į į	i	condition\$3)))) and 318/\$.ccls.) and	!	į į
	!	frequency	!. <u></u> <u>_</u>	<u> </u>
		· · 		

_	1	((((actuator) SAME ((air-condition\$3) or (air adj condition\$3))) not	USPAT; US-PGPUB;	2002/12/09 13:50
	i	(((flap-actuator) or (flap adj actuator))	DERWENT	}
	ĺ	SAME ((air-condition\$3) or (air adj		
	1	condition\$3)))) and 318/\$.ccls.) and ((drive	Ì	İ
	1	adj frequency) or (pulse-rate) or (pulse adj	1	
	1	rate))	1	1
-	18	(((((actuator) SAME ((air-condition\$3) or	USPAT;	2002/12/09 13:50
	1	(air adj condition\$3))) not	US-PGPUB;	1
	ĺ	(((flap-actuator) or (flap adj actuator))	DERWENT	ļ.
	i	SAME ((air-condition\$3) or (air adj	1	ļ
	i	condition\$3)))) and 318/\$.ccls.) and	!	
	Į.	frequency) not (((((actuator) SAME	!	
	!	((air-condition\$3) or (air adj		}
		condition\$3))) not (((flap-actuator) or] 	
	}	(flap adj actuator)) SAME ((air-condition\$3)	 	İ
	ì	or (air adj condition\$3)))) and 318/\$.ccls.)	l İ	
	ì	and ((drive adj frequency) or (pulse-rate)	ļ	
	i	or (pulse adj rate)))	110D2m	1 2002 (22 (02 20 20
-	I 48	(stepp\$3) and (318/\$.ccls.) and (((driv\$3	USPAT;	2002/12/09 18:36
	1	adj frequency) or (pulse adj rate)) SAME	US-PGPUB; DERWENT	
_	19770	(torque)) (torque NEAR2 (sensor or sensing or	USPAT:	2002/12/09 18:36
	103/6	requirement or information or data or	US-PGPUB;	
	{	requirement of information of data of	DERWENT	1
_	334	(stepp\$3) and (318/\$.ccls.) and ((driv\$3 adj	USPAT;	2002/12/09 18:37
	334	frequency) or (pulse adj rate))	US-PGPUB;	1
	İ		DERWENT	İ
-	27	((torque NEAR2 (sensor or sensing or	USPAT;	2002/12/09 18:37
	}	requirement or information or data or	US-PGPUB;	1
	Ì	signal))) and ((stepp\$3) and (318/\$.ccls.)	DERWENT	1
	1	and ((driv\$3 adj frequency) or (pulse adj	1	i
	<u> </u>	rate)))	1	!
-	955	318/685.ccls.	USPAT;	2002/12/10 15:29
	1	İ	US-PGPUB;	i i
	!		DERWENT	1
_	1296	318/696.ccls.	USPAT;	2002/12/10 15:29
	į		US-PGPUB;	1
	1.553	210/605 310/606	DERWENT	1 2002/12/10 15:39
-	1653	318/685.ccls. or 318/696.ccls.	USPAT;	2002/12/10 15:29
	ļ		US-PGPUB; DERWENT	1
_	l i 574	(driv\$3 NEAR2 frequenc\$3) NEAR2 (maximum or	USPAT;	2002/12/10 15:31
_] 3/4	max or peak or limit)	US-PGPUB;	2002/12/10 13:31
	j	max of peak of finite,	DERWENT	İ
_] 53	((over-power\$3) or (over adj power\$3)) adj2	USPAT;	2002/12/10 18:14
	1	mode	US-PGPUB;	!
	ı l		DERWENT	1
-	i o	(excess\$3 adj power) adj2 power	USPAT;	2002/12/10 15:32
	į		US-PGPUB;	1
	l		DERWENT	·
-	1110	(instantaneous\$2) near2 (torque)	USPAT;	2002/12/10 15:33
				1
			US-PGPUB;	1
	 		DERWENT	
-		(((over-power\$3) or (over adj power\$3)) adj2	DERWENT USPAT;	 2002/12/10 15:33
- !	 	(((over-power\$3) or (over adj power\$3)) adj2 mode) and (318/685.ccls. or 318/696.ccls.)	DERWENT USPAT; US-PGPUB;	2002/12/10 15:3
-	; } }	mode) and (318/685.ccls. or 318/696.ccls.)	DERWENT USPAT; US-PGPUB; DERWENT	1
-		mode) and (318/685.ccls. or 318/696.ccls.) (318/685.ccls. or 318/696.ccls.) and	DERWENT; USPAT; US-PGPUB; DERWENT USPAT;	1
-	; } }	mode) and (318/685.ccls. or 318/696.ccls.) (318/685.ccls. or 318/696.ccls.) and ((driv\$3 NEAR2 frequenc\$3) NEAR2 (maximum or	DERWENT; USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB;	1
-	7	mode) and (318/685.ccls. or 318/696.ccls.) (318/685.ccls. or 318/696.ccls.) and ((driv\$3 NEAR2 frequenc\$3) NEAR2 (maximum or max or peak or limit)	DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT	2002/12/10 15:40
- - 	7 7	mode) and (318/685.ccls. or 318/696.ccls.) (318/685.ccls. or 318/696.ccls.) and ((driv\$3 NEAR2 frequenc\$3) NEAR2 (maximum or max or peak or limit)) ((instantaneous\$2) near2 (torque)) and	DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT;	2002/12/10 15:40
-	7 7	mode) and (318/685.ccls. or 318/696.ccls.) (318/685.ccls. or 318/696.ccls.) and ((driv\$3 NEAR2 frequenc\$3) NEAR2 (maximum or max or peak or limit)	DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB;	2002/12/10 15:40
-	7	mode) and (318/685.ccls. or 318/696.ccls.) (318/685.ccls. or 318/696.ccls.) and ((driv\$3 NEAR2 frequenc\$3) NEAR2 (maximum or max or peak or limit)) ((instantaneous\$2) near2 (torque)) and (318/685.ccls. or 318/696.ccls.)	DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT	2002/12/10 15:40
- -	7	mode) and (318/685.ccls. or 318/696.ccls.) (318/685.ccls. or 318/696.ccls.) and ((driv\$3 NEAR2 frequenc\$3) NEAR2 (maximum or max or peak or limit)) ((instantaneous\$2) near2 (torque)) and (318/685.ccls. or 318/696.ccls.) ((instantaneous\$2) near2 (torque)) and	DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT US-PGPUB; DERWENT	2002/12/10 15:40
-	7	mode) and (318/685.ccls. or 318/696.ccls.) (318/685.ccls. or 318/696.ccls.) and ((driv\$3 NEAR2 frequenc\$3) NEAR2 (maximum or max or peak or limit)) ((instantaneous\$2) near2 (torque)) and (318/685.ccls. or 318/696.ccls.)	DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB;	2002/12/10 15:4
-	23	mode) and (318/685.ccls. or 318/696.ccls.) (318/685.ccls. or 318/696.ccls.) and ((driv\$3 NEAR2 frequenc\$3) NEAR2 (maximum or max or peak or limit)) ((instantaneous\$2) near2 (torque)) and (318/685.ccls. or 318/696.ccls.) ((instantaneous\$2) near2 (torque)) and (stepp\$3 near2 motor)	DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT	2002/12/10 15:40 2002/12/10 15:40 2002/12/10 15:40
-	7	mode) and (318/685.ccls. or 318/696.ccls.) (318/685.ccls. or 318/696.ccls.) and ((driv\$3 NEAR2 frequenc\$3) NEAR2 (maximum or max or peak or limit)) ((instantaneous\$2) near2 (torque)) and (318/685.ccls. or 318/696.ccls.) ((instantaneous\$2) near2 (torque)) and (stepp\$3 near2 motor)	DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT	2002/12/10 15:40 2002/12/10 15:40 2002/12/10 15:40
-	23	mode) and (318/685.ccls. or 318/696.ccls.) (318/685.ccls. or 318/696.ccls.) and ((driv\$3 NEAR2 frequenc\$3) NEAR2 (maximum or max or peak or limit)) ((instantaneous\$2) near2 (torque)) and (318/685.ccls. or 318/696.ccls.) ((instantaneous\$2) near2 (torque)) and (stepp\$3 near2 motor)	DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB;	2002/12/10 15:40 2002/12/10 15:40 2002/12/10 15:40
-	23	mode) and (318/685.ccls. or 318/696.ccls.) (318/685.ccls. or 318/696.ccls.) and ((driv\$3 NEAR2 frequenc\$3) NEAR2 (maximum or max or peak or limit)) ((instantaneous\$2) near2 (torque)) and (318/685.ccls. or 318/696.ccls.) ((instantaneous\$2) near2 (torque)) and (stepp\$3 near2 motor) stepp\$3 near2 motor	DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT	2002/12/10 15:3: 2002/12/10 15:40 2002/12/10 15:40 2002/12/10 18:1: 2002/12/10 18:1:
-	23	mode) and (318/685.ccls. or 318/696.ccls.) (318/685.ccls. or 318/696.ccls.) and ((driv\$3 NEAR2 frequenc\$3) NEAR2 (maximum or max or peak or limit)) ((instantaneous\$2) near2 (torque)) and (318/685.ccls. or 318/696.ccls.) ((instantaneous\$2) near2 (torque)) and (stepp\$3 near2 motor)	DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB; DERWENT USPAT; US-PGPUB;	2002/12/10 15:40 2002/12/10 15:40 2002/12/10 15:40

	5	((over-power\$3) or (over adj power\$3)) adj mode	USPAT; US-PGPUB;	2002/12/10 18:16
 -	1	((over-powered) or (over adj powered)) adj (regime or region)	DERWENT USPAT; US-PGPUB;	2002/12/10 18:19
-	342		DERWENT USPAT; US-PGPUB;	2002/12/10 18:20
-	2	((rated adj power) WITH (greater or (more adj than) or more or larger)) and	DERWENT USPAT;	 2002/12/10 18:20
	1324	(318/685.ccls. or 318/696.ccls.)	US-PGPUB; DERWENT USPAT; US-PGPUB;	2003/06/23 09:55
 - 	 150468	(adjust\$3 or rais\$3 or lower\$3 or increas\$3 or decreas\$3 or chang\$3) near (frequency)	EPO; JPO; DERWENT USPAT; US-PGPUB;	2003/06/23 11:54
1 1 1 -) 772	((adjust\$3 or rais\$3 or lower\$3 or increas\$3	EPO; JPO; DERWENT USPAT;	2003/06/23 11:41
1 	! !	or decreas\$3 or chang\$3) near (frequency)) with torque	US-PGPUB; EPO; JPO; DERWENT	\
- 	10	(((adjust\$3 or rais\$3 or lower\$3 or increas\$3 or decreas\$3 or chang\$3) near (frequency)) with torque) and 318/685.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/23 09:55
i - 	1	045069.apn.	USPAT; US-PGPUB; EPO; JPO;	2003/06/23 09:40
 - -	0 1146		DERWENT USPAT USPAT;	2003/06/23 09:47 2003/06/23 09:55
) 	1 		US-PGPUB; EPO; JPO; DERWENT	
- 		(((adjust\$3 or rais\$3 or lower\$3 or increas\$3 or decreas\$3 or chang\$3) near (frequency)) with torque) and 318/434.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/23 10:01
; - -	2198 	318/560,599,606,635,671.ccls.	USPAT; US-PGPUB; EPO; JPO;	2003/06/23 10:01
; - - -	 	318/560,599,606,635,671.ccls. and (((adjust\$3 or rais\$3 or lower\$3 or increas\$3 or decreas\$3 or chang\$3) near	DERWENT USPAT; US-PGPUB; EPO; JPO;	 2003/06/23 10:05
i - i - !		(frequency)) with torque) 318/\$.ccls.	DERWENT USPAT; US-PGPUB; EPO; JPO;	 2003/06/23 10:05
	i	((((adjust\$3 or rais\$3 or lower\$3 or increas\$3 or decreas\$3 or chang\$3) near (frequency)) with torque) and 318/\$.ccls.) not ((((adjust\$3 or rais\$3 or lower\$3 or increas\$3 or decreas\$3 or chang\$3) near (frequency)) with torque) and 318/685.ccls.) or (((adjust\$3 or rais\$3 or lower\$3 or increas\$3 or decreas\$3 or chang\$3) near (frequency)) with torque) and 318/434.ccls.) or (318/560,599,606,635,671.ccls. and	DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/23 10:06
i i i		(((adjust\$3 or rais\$3 or lower\$3 or increas\$3 or decreas\$3 or chang\$3) near (frequency)) with torque)))	 	

			, <u></u>	a
1 -	117	, , , , , , , , , , , , , , , , , , ,	USPAT;	2003/06/23 11:40
1	i i	increas\$3 or decreas\$3 or chang\$3) near	US-PGPUB;	
İ	i	(frequency)) with torque) and 318/\$.ccls.)	EPO; JPO;	1
i	i	not (((((adjust\$3 or rais\$3 or lower\$3 or	DERWENT	
1	1	increas\$3 or decreas\$3 or chang\$3) near	İ	
!	ļ	(frequency)) with torque) and 318/685.ccls.)	İ	
1		or ((((adjust\$3 or rais\$3 or lower\$3 or	i	İ
1	į	increas\$3 or decreas\$3 or chang\$3) near	į	
!	į	(frequency)) with torque) and 318/434.ccls.	į	
1	Ì) or (318/560,599,606,635,671.ccls. and (((adjust\$3 or rais\$3 or lower\$3 or	; I	
1	i	increas\$3 or decreas\$3 or chang\$3) near	1]
1	1	(frequency)) with torque)))) and ((stepper	i I	
1	İ	or stepping or step) with motor)	; 	
! -	19374		EPO: JPO	2003/06/23 11:41
1	i	or decreas\$3 or chang\$3) near (frequency)	1 210, 010	
! -	165		EPO; JPO	2003/06/23 11:41
	1	or decreas\$3 or chang\$3) near (frequency))	-10, 010	1
1	1	with torque	l i	
ļ ~	i 13	(((adjust\$3 or rais\$3 or lower\$3 or	EPO; JPO	2003/06/23 11:52
!	l	increas\$3 or decreas\$3 or chang\$3) near		1
1		(frequency)) with torque) and (((stepper or		
1		stepping or step) near2 motor))		
1 ~	0	2002234333.URPN.	USPAT	2003/06/23 11:42
! -	26088	1	USPAT;	2003/06/23 11:54
1		or determining or measure or measuring or	US-PGPUB;	
1	i	detect or detected or detecting or measured	EPO; JPO;	
1	ĺ	or determined or sensed)	DERWENT	1
\ -	75	(torque near (sensor or sensing or determine	USPAT;	2003/06/23 11:55
I	i	or determining or measure or measuring or	US-PGPUB;]
1	i I	detect or detected or detecting or measured	EPO; JPO;	
}	i I	or determined or sensed)) same ((adjust\$3 or	DERWENT	
1	1	rais\$3 or lower\$3 or increas\$3 or decreas\$3	İ	i
1		or chang\$3) near (frequency)) ((torque near (sensor or sensing or	USPAT;	2002/06/22 12:17
1	1	determine or determining or measure or	US-PGPUB;	2003/06/23 13:17
1	į	measuring or detect or detected or detecting	EPO; JPO;	I
1	į	or measured or determined or sensed)) same	DERWENT	ļ
!	į	((adjust\$3 or rais\$3 or lower\$3 or increas\$3	DERWENT	1
1	i	or decreas\$3 or chang\$3) near (frequency)))	!	
1	i	and (318/\$.ccls. or (((stepper or stepping	! 	
ì	1	or step) near motor)))	ı I	1
; -	900	flap near2 actuator	USPAT;	2003/06/23 13:18
j	1	i • j	US-PGPUB;	
]	1		EPO; JPO;	
ļ.	1		DERWENT	1
\ -	23	(((stepper or stepping or step) near motor))	USPAT;	2003/06/23 14:22
L	1	and (flap near2 actuator)	US-PGPUB;	}
	ļ.		EPO; JPO;	}
		1	DERWENT	
i -	23881		USPAT;	2003/06/23 14:24
İ	1	or threshold or level)	US-PGPUB;	
l	į l		EPO; JPO;	i
! _	300	(torque near (limit or value or requirement	DERWENT	2002/05/22 14:54
1 -	ا 300	or threshold or level)) and (318/685.ccls.	USPAT;	2003/06/23 14:24
I .	!	or threshold or level)) and (318/685.ccis. or 318/434.ccls. or	US-PGPUB;	i
!	ļ i	318/560,599,606,635,671.ccls.)	EPO; JPO; DERWENT	i
) -	<u> </u>	("29" and "22") not "31"	USPAT;	2003/06/23 15:26
i I	ì		US-PGPUB;	1 2003,00,23 13.20
1	i		EPO; JPO;	i
			DERWENT	1
i	•	torque adj threshold	USPAT;	2003/06/24 10:21
i -	353	corque adj tirreshord		1
i - -	353	Lorque adj tirreshord	US-PGPUB;]
i - - -	353 	torque auj threshord		
 - - -	\ 		US-PGPUB;	
\ - - -	\ 	318/432.ccls.	US-PGPUB; EPO; JPO;	2003/06/26 14:38
 - - - -	\ 		US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB;	2003/06/26 14:38
-	\ 		US-PGPUB; EPO; JPO; DERWENT USPAT;	

,		Transport		r 1
-	1147	318/434.ccls.	USPAT;	2003/06/26 14:37
1			US-PGPUB; EPO; JPO;	ļ
{	!		DERWENT	
-	26258	(maximum or max) near2 frequency	USPAT;	2003/06/26 14:37
i			US-PGPUB;	,,
i I			EPO; JPO;	!
i i	j		DERWENT	į į
i -	1325	318/685.ccls.	USPAT;	2003/06/26 14:38
j	1		US-PGPUB;	1
l			EPO; JPO;	ļ į
i	1 60603	(atomor or atomoing or (atom moor) atom)	DERWENT	2003/06/26 14:39
i -	1 69603	(stepper or stepping or (step near2 step))	USPAT;	2003/06/26 14:39
l	I		EPO; JPO;	İ
<u> </u>	1		DERWENT	i
<u> </u>	17858	((increase or increasing or increased or	USPAT;	2003/06/26 14:59
 	l	raised or raise or raising) near2 frequency)	US-PGPUB;	į · · · · · · · · · · · · · · · · · · ·
!	1	same ((decrease or decreased or decreasing	EPO; JPO;	<u>'</u>
i İ	!	or lower or lowered or lowering or reduce or	DERWENT	1
i I		reduced or reducing) near2 frequency)		
· _ 	531	(((increase or increasing or increased or raised or raise or raising) near2 frequency)	USPAT;	2003/06/26 14:59
) 	raised or raise or raising) hear2 frequency) same ((decrease or decreased or decreasing	US-PGPUB; EPO; JPO;]
l	}	or lower or lowered or lowering or reduce or	DERWENT	į
İ	1	reduced or reducing) near2 frequency)) same		
· 	i	((maximum or max) near2 frequency)	1	i
-	368	(((increase or increasing or increased or	USPAT;	2003/06/26 14:59
	1	raised or raise or raising) near2 frequency)	US-PGPUB;	
1	!	same ((decrease or decreased or decreasing	EPO; JPO;	! ;
	1	or lower or lowered or lowering or reduce or	DERWENT	!
	1	reduced or reducing) near2 frequency)) and	1	ļ
	i	(((stepper or stepping or (step near2 step)) near2 motor) or (318/432.ccls. or	1	ĺ
i I	İ	318/434.ccls. or 318/685.ccls.))	1	
l -	24	((((increase or increasing or increased or	USPAT;	2003/06/26 14:59
I	i	raised or raise or raising) near2 frequency)	US-PGPUB;	
ı	I	same ((decrease or decreased or decreasing	EPO; JPO;	j
· 	I	or lower or lowered or lowering or reduce or	DERWENT	ì
	į	reduced or reducing) near2 frequency)) same	1	i
I	1	((maximum or max) near2 frequency)) and		į į
1		(((stepper or stepping or (step near2 step)) near2 motor) or (318/432.ccls. or	1	i
1	į	318/434.ccls. or 318/685.ccls.))	1	j
l _	344	((((increase or increasing or increased or	USPAT;	2003/06/26 15:24
İ	1	raised or raise or raising) near2 frequency)	US-PGPUB;	
!	ļ.	same ((decrease or decreased or decreasing	EPO; JPO;	!
	! :	or lower or lowered or lowering or reduce or	DERWENT	į
		reduced or reducing) near2 frequency)) and	1	ļ į
		(((stepper or stepping or (step near2 step))	1	! ;
	1	near2 motor) or (318/432.ccls. or 318/434.ccls. or 318/685.ccls.))) not	1	!
	<u> </u>	(((((increase or increasing or increased or	I V	<u> </u>
İ	į	raised or raise or raising) near2 frequency)	i	<u> </u>
ì		same ((decrease or decreased or decreasing	1	i i
i		or lower or lowered or lowering or reduce or	1	<u> </u>
ĺ	ı	reduced or reducing) near2 frequency)) same	i I	į į
i	i	((maximum or max) near2 frequency)) and	t I	1
1	1	(((stepper or stepping or (step near2 step))	i	j
ì	i j	near2 motor) or (318/432.ccls. or 318/434.ccls. or 318/685.ccls.)))	! 	
_	261	(((increase or increasing or increased or	USPAT;	2003/06/26 15:24
1	1	raised or raise or raising) near2 frequency)	US-PGPUB;	1 2003,00,20 13.24
į	i (same ((decrease or decreased or decreasing	EPO; JPO;	j
l	t l	or lower or lowered or lowering or reduce or	DERWENT	į !
!	!	reduced or reducing) near2 frequency)) same	İ	1
I	<u> </u>	torque		į l
- !	! 74987 :	318/\$.ccls.	USPAT;	2003/06/26 15:24
l I] (US-PGPUB;	
1	i i		PPO; JPO; DERWENT	1
!	: :		DEVADAT	L

-	233	((((increase or increasing or increased or	USPAT;	2003/06/26 15:25
	1	raised or raise or raising) near2 frequency)	US-PGPUB;	!
i	1	same ((decrease or decreased or decreasing	EPO; JPO;)
1	1	or lower or lowered or lowering or reduce or	DERWENT	1
1		reduced or reducing) near2 frequency)) same	}	}
1		torque) and motor	1	
l -	44	((((increase or increasing or increased or	USPAT;	2003/06/26 15:25
1		raised or raise or raising) near2 frequency)	US-PGPUB;	İ ı
1	I	same ((decrease or decreased or decreasing	EPO; JPO;	1
]	1	or lower or lowered or lowering or reduce or	DERWENT	1
1)	reduced or reducing) near2 frequency)) same	l I)
}	}	torque) and (((stepper or stepping or (step	1	1
	1	near2 step)) near2 motor) or (318/432.ccls.		,
1	100	or 318/434.ccls. or 318/685.ccls.))		0000 105 105 15 05
1 -	189	(((((increase or increasing or increased or	USPAT;	2003/06/26 15:25
1		raised or raise or raising) near2 frequency)	US-PGPUB;]
}		same ((decrease or decreased or decreasing	EPO; JPO;	}
}	1	or lower or lowered or lowering or reduce or	DERWENT	}
1	1	reduced or reducing) near2 frequency)) same	İ	!
Į.	l	torque) and motor) not ((((increase or	1	! i
I .	į	increasing or increased or raised or raise		!
1	İ	or raising) near2 frequency) same ((decrease or decreased or decreasing or lower or	1	ļ !
1	İ]
1	1	lowered or lowering or reduce or reduced or reducing) near2 frequency)) same torque) and	1	j
!	i	(((stepper or stepping or (step near2 step))		;
1	İ	near2 motor) or (318/432.ccls. or	1	!
1	ί			
	1 7	! 318/434.ccls. or 318/685.ccls.))) ("4047083" "4249120" "4661751"	USPAT	2002/06/26 15:56
!	,	"4785225" "5272429" "5710500"	OSPAI	2003/06/26 15:56
1	1	"6154002").PN.	i	i l
1	١ .	6414455.URPN.	USPAT	2003/06/26 15:56
i -		(((air adj condition\$3) or	USPAT;	2003/06/26 16:12
	1	(air-condition\$3)) with flap) and ((stepper	US-PGPUB;	2003/00/20 10.12
1	[or stepping or (step near2 step)) near2	EPO; JPO;	
1	[motor)	DERWENT	1
i -	İ 44	((((air adj condition\$3) or	USPAT;	2003/06/26 16:22
	i	(((dir dd) condition(s) or (air-condition(s)) with flap) and ((stepper	US-PGPUB;	1 2003/00/20 10:22
1	İ	or stepping or (step near2 step)) near2	EPO; JPO;	}
I	İ	motor)) and (((stepper or stepping or (step	DERWENT	}
1	į	near2 step)) near2 motor) or (318/432.ccls.	1	
İ	İ	or 318/434.ccls. or 318/685.ccls.))		}
I _		(increase or increasing or increased or	USPAT:	2003/06/27 10:38
	İ	raised or raise or raising) near2 frequency	US-PGPUB;	}
1	İ		EPO; JPO;	}
ļ	}		DERWENT	;
-	136399	(decrease or decreased or decreasing or	USPAT;	2003/06/27 10:38
l		lower or lowered or lowering or reduce or	US-PGPUB;	{
1		reduced or reducing) near2 frequency	EPO; JPO;	
· 	l	<u> </u>	DERWENT	;
1 -	3104	318/432.ccls. or 318/434.ccls. or	USPAT;	2003/06/27 10:39
i I		318/685.ccls.	US-PGPUB;	}
i	<u> </u>		EPO; JPO;	!
:	ļ		DERWENT	! !
¦ -	146547	(max or peak or maximum or limit) near2	USPAT;	2003/06/27 10:40
	!	(frequency or speed or velocity or	US-PGPUB;	į į
Ì	1	revolution or rotation)	EPO; JPO;]
1	!		DERWENT	j į
-	1140	((((increase or increasing or increased or	USPAT;	2003/06/27 10:40
		raised or raise or raising) near2 frequency)	US-PGPUB;	į
l	!	same ((decrease or decreased or decreasing	EPO; JPO;	į
1		or lower or lowered or lowering or reduce or	DERWENT	į
1		reduced or reducing) near2 frequency)) same	ì	1
		((max or peak or maximum or limit) near2	I I	į
i		(frequency or speed or velocity or] 	ļ į
		revolution or rotation)))	l	<u> </u>
		· · · · · · · · · · · · · · · · · · ·		

Ī-	11	(318/432.ccls. or 318/434.ccls. or	USPAT;	2003/06/27 10:41
!	i	318/685.ccls.) and ((((increase or	US-PGPUB;	
1	1	increasing or increased or raised or raise	EPO; JPO;	!
1	1	or raising) near2 frequency) same ((decrease	DERWENT	1
	1	or decreased or decreasing or lower or	Į.	1
1	į	llowered or lowering or reduce or reduced or	Į.	(
1	i	reducing) near2 frequency)) same ((max or	ĺ	i l
1	i	peak or maximum or limit) near2 (frequency	İ	i !
ļ	i	or speed or velocity or revolution or	ĺ	}
1	i I	rotation))))	<u> </u>	!
-	91286	((stepper or stepping or step) near2 motor)	USPAT;	2003/06/27 10:47
	ļ	_	US-PGPUB;	i
1	!		EPO; JPO;	i :
1	1		DERWENT	1
<u> </u>	65	((((((increase or increasing or increased or	USPAT;	2003/06/27 10:47
1	Į.	raised or raise or raising) near2 frequency)	US-PGPUB;	
1	İ	same ((decrease or decreased or decreasing	EPO; JPO;	! !
1	I	or lower or lowered or lowering or reduce or	DERWENT	
İ	1	reduced or reducing) near2 frequency)) same		i j
1	1	((max or peak or maximum or limit) near2	İ	1
i	1	(frequency or speed or velocity or	i	1
1	İ	revolution or rotation)))) and (((stepper or	!	i
1	i	stepping or step) near2 motor))) not		1
İ	i	((318/432.ccls. or 318/434.ccls. or	ļ	ļ I
1	}	318/685.ccls.) and ((((increase or	Ì	j l
İ	ļ.	increasing or increased or raise	1	1
i	\	or raising) near2 frequency) same ((decrease	İ	i i
i	Į.	or decreased or decreasing or lower or	İ	,
!	j	lowered or lowering or reduce or reduced or	<u> </u>	! :
1	İ	reducing) near2 frequency)) same ((max or	 	1 !
1	i	peak or maximum or limit) near2 (frequency	\	1
l	i	or speed or velocity or revolution or	!	j !
l	i	rotation)))))	!	į l
l _	1 11	((((((increase or increasing or increased	USPAT;	2003/06/27 10:48
İ		or raised or raise or raising) near2	US-PGPUB;	2003/00/27 10.48
i	1	frequency) same ((decrease or decreased or	EPO; JPO;	!
i	1	decreasing or lower or lowered or lowering	DERWENT	į į
1	l I	or reduce or reduced or reducing) near2	DERWENT	1
1	!	frequency)) same ((max or peak or maximum or	i	1
1	!	limit) near2 (frequency or speed or velocity	! !	!
1	!	or revolution or rotation))) and (((stepper	 	į l
1	1	or stepping or step) near2 motor))) not) !	į J
1	1	(01 stepping of step) hear2 motor/// not ((318/432.ccls. or 318/434.ccls. or	1	į l
1		((318/432.0018. Of 318/434.0018. Of	!	i I
i		increasing or increased or raised or raise	!	1
1		or raising or increased or raised or raise or raise or raise	!	;
i	i	or decreased or decreasing or lower or	l	<u> </u>
1	i	lowered or lowering or reduce or reduced or	l	1 1
1	1		İ	!
1	i	reducing) near2 frequency)) same ((max or peak or maximum or limit) near2 (frequency	ì	Į l
! !	i	or speed or velocity or revolution or	}	Į L
1	i	rotation)))))) and 318/\$.ccls.	I	1
L	_ 	100a01011/1/1/ and 310/\$.CC18.	·	i

1 -	54	((((((increase or increasing or increased	USPAT;	2003/06/27 11:03
1	1	or raised or raise or raising) near2	US-PGPUB;	1
1	ì	frequency) same ((decrease or decreased or	EPO; JPO;	İ
	i	decreasing or lower or lowered or lowering	DERWENT	\
	i	or reduce or reduced or reducing) near2	ļ	(
1	i	frequency)) same ((max or peak or maximum or	İ	ί
1	i	limit) near2 (frequency or speed or velocity		i
!	ì	or revolution or rotation))) and (((stepper	1	1
ļ	i	or stepping or step) near2 motor))) not	İ	}
1		((318/432.ccls. or 318/434.ccls. or	i	1
į	-	318/685.ccls.) and ((((increase or	i i	
		increasing or increased or raised or raise	į	İ
i		or raising) near2 frequency) same ((decrease	1	İ
l l	İ	or decreased or decreasing or lower or	1	
	İ	lowered or lowering or reduce or reduced or	1	
!	İ	reducing) near2 frequency)) same ((max or	İ	1
	1	peak or maximum or limit) near2 (frequency	į	1
1	1	or speed or velocity or revolution or	1	!
]	1	rotation)))))) not ((((((increase or]]
	1	increasing or increased or raise or raise	ì	1
1	ļ	or raising) near2 frequency) same ((decrease	\	İ
	!	or decreased or decreasing or lower or	İ	i
1	1	lowered or lowering or reduce or reduced or	i	1
1	ļ	reducing) near2 frequency)) same ((max or	!	
	1	peak or maximum or limit) near2 (frequency]	I
j	1	or speed or velocity or revolution or	1	1
1	i	rotation)))) and (((stepper or stepping or	! 	ļ
1	ì	step) near2 motor))) not ((318/432.ccls. or	1	l.
i	1	318/434.ccls. or 318/685.ccls.) and	ļ	l
1	1	(((((increase or increasing or increased or		1
	ļ	raised or raise or raising) near2 frequency)	İ	1
!	1	same ((decrease or decreased or decreasing	i	<u> </u>
ļ	1	or lower or lowered or lowering or reduce or	i I	ļ
!	Į.	reduced or reducing) near2 frequency)) same	1	Į.
1	i	((max or peak or maximum or limit) near2	1	i
1	Ĺ	(frequency or speed or velocity or		1
ĺ	l l	revolution or rotation))))) and	İ	1
i	l .	318/\$.ccls.)	j	}
1 -	173	((max or peak or maximum or limit) near2	USPAT;	2003/06/27 11:04
1	1 4/3	(frequency or speed or velocity or	i i	1 2003/00/2/ 11:04
1			US-PGPUB;	1
)	1	revolution or rotation)) same (torque with frequency)	EPO; JPO;	1
1	1		DERWENT USPAT:	: 2007/06/27 11.05
! ~		(((((max or peak or maximum or limit) near2	,	2003/06/27 11:05
1	1	(frequency or speed or velocity or	US-PGPUB;	!
!	1	•	EPO; JPO;	I
i		frequency)) and (((stepper or stepping or	DEKMENT.	I
i i	1	step) near2 motor))) not (((max or peak or	!	[
i	1	maximum or limit) near2 (frequency or speed	}	İ
i	1	or velocity or revolution or rotation)) same	ļ	1
1		(torque with frequency)) and (318/432.ccls.	ļ	i
i	1 10	or 318/434.ccls. or 318/685.ccls.)))	110000	1 2002 (06 (22 33 35
i	1 18	(((max or peak or maximum or limit) near2	USPAT;	2003/06/27 11:05
İ	ì	(frequency or speed or velocity or	US-PGPUB;	1
1	i	revolution or rotation)) same (torque with	EPO; JPO;	
1	i	frequency)) and (318/432.ccls. or	DERWENT	l
Ì	1	318/434.ccls. or 318/685.ccls.)	· · · · · · · · · · · · · · · · · · ·	2002/06/25 15 55
i	1 36	((((((max or peak or maximum or limit) near2	USPAT;	2003/06/27 11:05
i I	I	(frequency or speed or velocity or	US-PGPUB;	I
i	I	revolution or rotation)) same (torque with	EPO; JPO;	İ
1	ì	frequency)) and (((stepper or stepping or	DERWENT	i i
ì	ļ	step) near2 motor))) not ((((max or peak or		1
1	I	maximum or limit) near2 (frequency or speed	1 \	: i
:	I	or velocity or revolution or rotation)) same	!	I t
:	I	(torque with frequency)) and (318/432.ccls.	I	!
1	1	or 318/434.ccls. or 318/685.ccls.)))) and	1	!
!	L	318/\$.ccls.	L	1